

4 monoxide, cobalt, alumina, sapphire, quartz, berillium, palladium, carbon, platinum,
5 ruthenium, rhodium, and gold.

1 10. The resistive element of claim 1, wherein the second contact point is
2 connected to the circuit board plane using a plurality of vias.

1 11. The resistive element of claim 1, wherein a summed series resistance
2 provided by adding a value of resistance for the resistive element to an effective
3 series resistance of the capacitor is approximately equal to an effective series
4 resistance of a circuit board capacitor and a circuit board plane connected to the
5 circuit board capacitor.

1 12. A circuit board, comprising:
2 a capacitor having a terminal;
3 a power supply plane; and
4 a resistive element including a first contact point connected to the terminal
5 of the capacitor, a second contact point connected to the power supply plane, and
6 a resistive material connected to the first and second contact points.

1 13. The circuit board of claim 12, wherein the first contact point is connected to
2 the terminal of the capacitor using solder, and wherein the second contact point is
3 connected to the power supply plane using at least one via.

1 14. The circuit board of claim 13, wherein the resistive material includes a first
2 metal and a second metal.

1 15. The circuit board of claim 14, wherein the first metal is nickel and the
2 second metal is gold.

1 16. The circuit board of claim 12, wherein the resistive material is selected from
2 a group consisting of: a metal, a conductive metal oxide, a glass, a solvent, a

3 polymer, nickel, chromium, tantalum, oxynitride, silicon monoxide, cobalt, alumina,
4 sapphire, quartz, berillium, palladium, carbon, platinum, ruthenium, rhodium, and
5 gold.

1 17. The circuit board of claim 12, wherein a summed series resistance provided
2 by adding a value of resistance for the resistive element to an effective series
3 resistance of the capacitor is approximately equal to an effective series resistance of
4 a circuit board capacitor and an effective series resistance of the power supply plane
5 connected to the circuit board capacitor.

1 18. A circuit package, comprising:
2 a circuit element;
3 a first terminal connected to the circuit element; and
4 a second terminal connected the circuit element and to a first contact point of
5 a resistive element including a second contact point for connection to a power
6 supply plane.

1 19. The circuit package of claim 18, wherein the circuit element is a capacitor.

1 20. The circuit package of claim 18, wherein the circuit element includes at least
2 one transistor.

1 21. The circuit package of claim 18, wherein the circuit package has an outside
2 surface to which the resistive element is attached.

1 22. The circuit package of claim 18, wherein a summed series resistance
2 provided by adding a value of resistance for the resistive element to an effective
3 series resistance of the circuit element is approximately equal to an effective series
4 resistance of a circuit board capacitor connected to the power supply plane added to
5 an effective series resistance of the power supply plane.

1 23. A method fabricating a circuit board, comprising:
 2 selecting an amount of equivalent series resistance for a resistive element
 3 including a first contact point and a second contact point;
 4 selecting a type of material for the resistive element;
 5 fabricating at least one layer of the circuit board having a pad and a via for
 6 connection to a power plane of the circuit board;
 7 depositing the resistive element on the layer of the circuit board so as to
 8 connect the first contact point to the pad and to connect the second contact point to
 9 the via.

1 24. The method of claim 23, wherein depositing the resistive element on the
 2 layer of the circuit board so as to connect the first contact point to the pad and to
 3 connect the second contact point to the via further comprises:
 4 screening the resistive element onto the layer of the circuit board.

1 25. The method of claim 23, wherein depositing the resistive element on the
 2 layer of the circuit board so as to connect the first contact point to the pad and to
 3 connect the second contact point to the via further comprises:
 4 plating the resistive element onto the layer of the circuit board.

1 26. The method of claim 23, wherein selecting an amount of equivalent series
 2 resistance for a resistive element further comprises:
 3 selecting a value of resistance for the resistive element such that a summed
 4 series resistance provided by adding the value of resistance for the resistive element
 5 to an effective series resistance of a first capacitor is approximately equal to an
 6 effective series resistance of a second capacitor attached to the circuit board added
 7 to an effective series resistance of the power plane.